



NETWORK A: 10 SECONDS DETECTION TIME NETWORK B: 40 SECONDS DETECTION TIME

NODES 1 AND 2 ARE FORMING AMGS ON NETWORKS A AND B

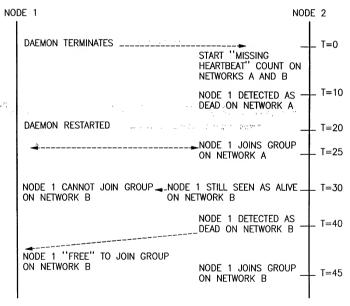


FIG.6

NODE 1 (NOT GL OR CP)

NODE 2 AND **OTHERS** 

ADAPTER GLITCH: IT START "MISSING CAN RECEIVE BUT NOT HEARTBEAT" COUNT SEND PACKETS

START "MISSING HEARTBEAT" COUNT

---- NODE 1 DETECTED AS DEAD: OTHERS FORM NEW AMG

UPSTREAM NEIGHBOR DETECTED AS DEAD

DOES NOT HEAR BACK FROM GL OR CP: "DISSOLVE" GROUP AND FORM SINGLETON UNSTABLE AMG

ADAPTER GLITCH ENDS: RESUMES NORMAL OPERATIONS NODE 1 JOINS GROUP

NEVER SEES OTHER NODES GOING DOWN

FIG.7

NODE 1 DEAD

NODE 1 (GL OR CP)

NODE 2 AND OTHERS

ADAPTER GLITCH: IT START "MISSING CAN RECEIVE BUT NOT HEARTBEAT" COUNT SEND PACKETS

START "MISSING HEARTBEAT" COUNT

----- NODE 1 DETECTED AS DEAD: OTHERS FORM NEW AMG

UPSTREAM NEIGHBOR DETECTED AS DEAD

ADAPTER GLITCH ENDS: RESUMES NORMAL OPERATIONS

SENDS PTC TO ALL PEERS EXCEPT UPSTREAM NEIGHBOR

NODE 1 DEAD

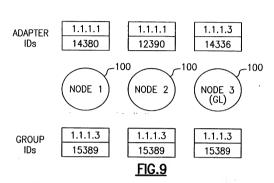
REPLIES WITH PTC ACK

SENDS COMMIT TO ALL PEERS

NODE 1 JOINS GROUP

NEVER SEES OTHER NODES GOING DOWN

FIG.8



MESSAGE TYPE

SOURCE ADAPTER ID

SOURCE GROUP ID

DESTINATION ADAPTER ID

DESTINATION GROUP ID

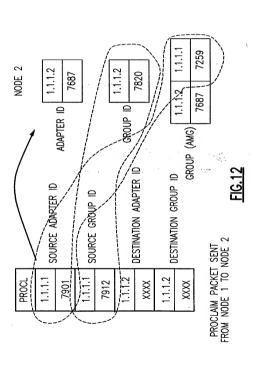
PAYLOAD

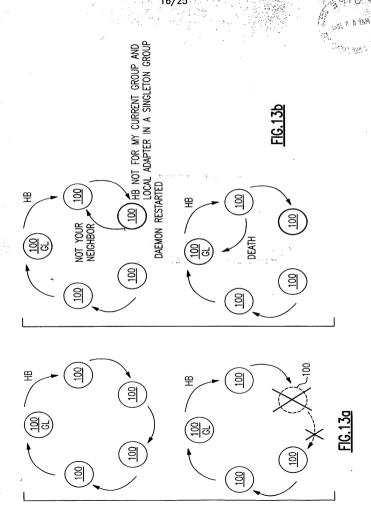
FIG.10

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NODE 1 NODE 2 1.1.1.1 1.1.1.2 ADAPTER ID 7259 7687 1.1.1.2 1.1.1.2 GROUP ID 7820 7820 1.1.1.2 1.1.1.1 .1.1.1.2 1.1.1.1 GROUP (AMG) 7687 7259 7687 7259 DAEMON AT NODE 1 RESTARTS 1.1.1.1 1.1.1.2 ADAPTER ID 7901 7687 1.1.1.1 1.1.1.2 GROUP ID 7912 7820 1.1.1.1 1.1.1.2 1.1.1.1 GROUP (AMG) 7901 7687 7259

FIG.11







NODE 2 1.1.1.2 7687	1.1.1.3
ADAPTER ID	GROUP ID
NODE 3 (GL) 1.1.1.3 7687	7820

1.1.1.1	7228		1.1.1.1	7228
1.1.1.2	7259		1.1.1.2	7259
1.1.1.3	7897		1.1.1.3	7897
GROUP (AMG)		. **		LASI_SIABLE_GROUP
1.1.1.1	7228		1.1.1.1	7228
1.1.1.2	7259		1.1.1.2	7259
1.1.1.3	7687		1.1.1.3	7687

FIG. 14a

COMMUNICATION GLITCH IN NODE 3'S ADAPTER.

1.1.1.1	7228		1.1.1.1	7228
1.1.1.2	7259		1.1.1.2	7259
GROUP (AMG)			GLOGO TIGATO TOA	LASI_SIABLE_GROUP
 1.1.1.1	7228		1.1.1.1	7228
.1.1.2	7259		.1.1.2	7259

FIG. 14b

NODE 3

7687

NODE 2

1.1.1.2

ADAPTER 10

7897

GROUP ID

1.1.1.3

1.1.1.3

7687

1.1.1.3



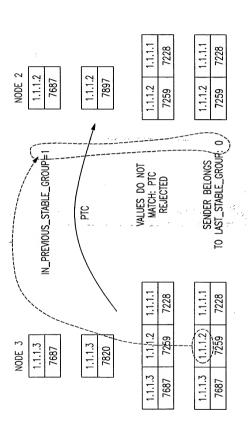


FIG. 14c



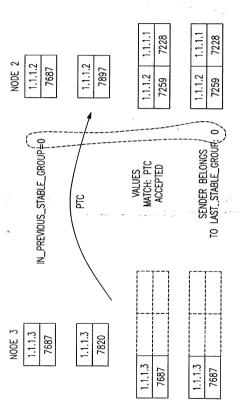


FIG. 14c

(er)			7228	1.1.1.1
NODE 3 (GL)	7687	7820	7259	1.1.1.2
			7687	1.1.1.3
i.	ADAPTER ID	GROUP ID	GROUP (AMG)	LAST STABLE GROUP
			1.1.1.1	1.1.1.1
NODE 1	7228	7820	7259	1.1.1.2
			7687	1.1.3

COMMUNICATION GLITCH IN NODE 1'S ADAPTER.



NODE 3	7687	7884	7687 7259	1.1.1.3 1.1.1.2 7687 7259
±.	ADAPTER ID	GROUP ID	GROUP (AMG)	LAST_STABLE_GROUP
			1.1.1.1	1.1.1.1
NODE 1	7228	7820	7259	1.1.1.2
2			1.1.1.3	1.1.1.3

100 1 0 mg

7687	1.1.1.3	1.1.1.3 1.1.1.2 7687 7259	1.1.1.3     1.1.1.2       7687     7259
ADAPTER ID	GROUP ID	GROUP (AMG) UNSTABLE	LAST_STABLE_GROUP
		7910	7228
7910	7913		1.1.1.2
			1.1.1.3

NODE



